

## CHAPTER 4

### POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE LITTLE TENNESSEE RIVER WATERSHED

#### 4.1 Background.

#### 4.2. Characterization of HUC-10 Subwatersheds

4.2.A. 0601020402 (Little Tennessee River)

4.2.B. 0601020403 (Abrams Creek)

4.2.C. 0601020404 (Tellico River)

4.2.D. 0601020405 (Little Tennessee River)

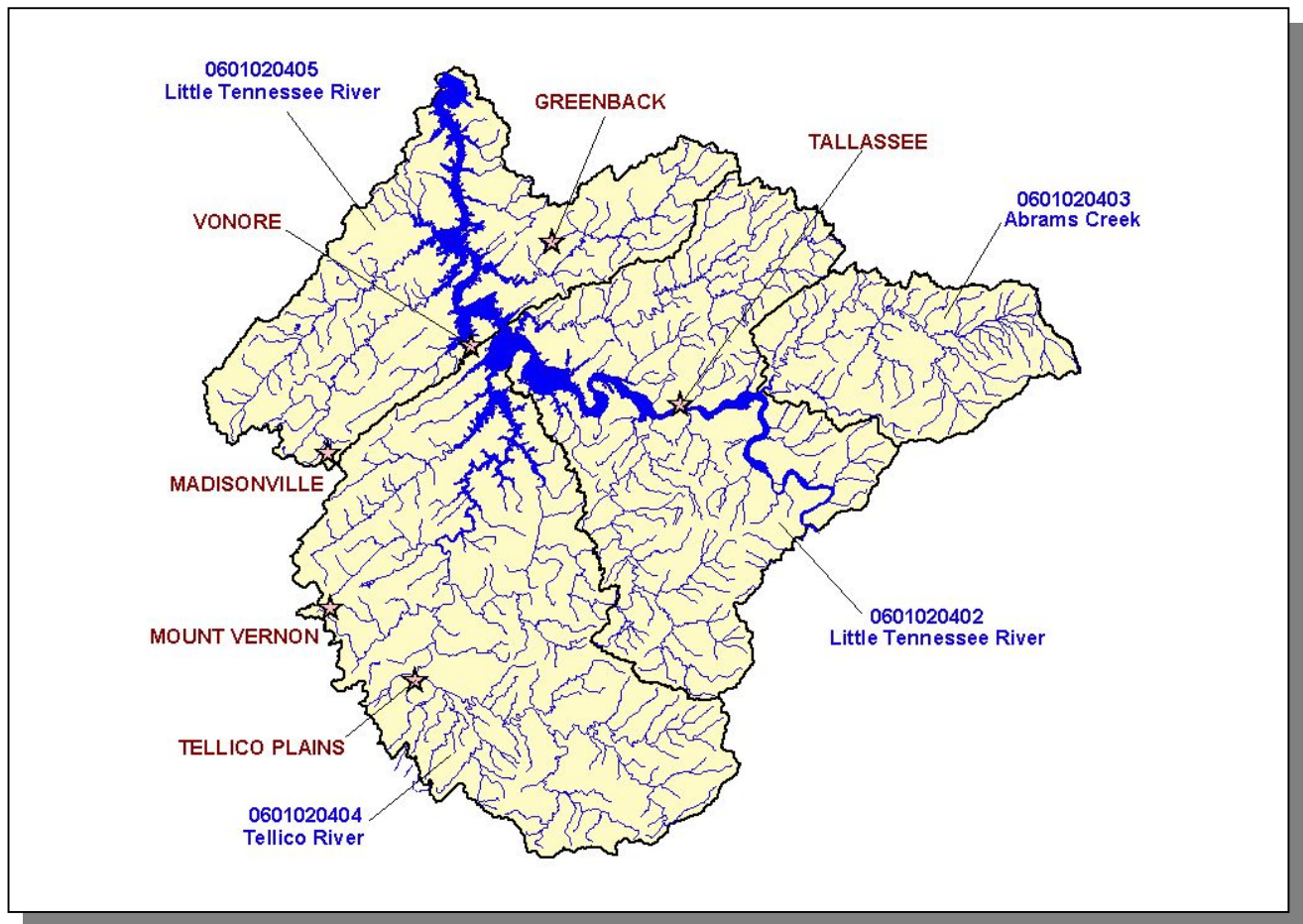
**4.1. BACKGROUND.** This chapter is organized by HUC-10 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
- ii.a. Description of facilities discharging to water bodies listed on the 2002 303(d) list
- iii. Description of nonpoint source contributions

The Tennessee portion of the Little Tennessee River Watershed (HUC 06010204) has been delineated into four HUC 10-digit subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 2.0 (developed by Tetra Tech, Inc for EPA Region 4) released in 2003.

WCS integrates with ArcView® v3.x and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.



**Figure 4-1. The Tennessee Portion of the Little Tennessee River Watershed is Composed of Four USGS-Delineated Subwatersheds (10-Digit Subwatersheds).** Locations of Greenback, Madisonville, Mount Vernon, Tallassee, Tellico Plains, and Vonore are shown for reference.

**4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS.** The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Tennessee portion of the Little Tennessee River Watershed.

HUC-10	HUC-12
0601020402	060102040201 (Chilhowee Lake)
	060102040202 (Slick Rock Creek)
	060102040203 (Tellico Lake)
	060102040204 (Citico Creek)
	060102040205 (Ninemile Creek)
0601020403	060102040301 (Upper Abrams Creek)
	060102040302 (Lower Abrams Creek)
0601020404	060102040401 (Tellico River)
	060102040402 (North River)
	060102040403 (Bald River)
	060102040404 (Tellico River)
	060102040405 (Sinkhole Creek)
	060102040406 (Tellico River)
	060102040407 (Ballplay Creek)
	060102040408 (Tellico Creek)
	060102040409 (Notchy Creek)
0601020405	060102040501 (Tellico Lake)
	060102040502 (Baker Creek)
	060102040503 (Tellico Lake)
	060102040504 (Bat Creek)

**Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages.** NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.